

1	1	HHNGTNGTMM QYFEWHL PND GNHWNRLRDD ASNLRNRGIT AIWIPPAWKG	50
2	2	HHNGTNGTMM QYFEWYLPND GNHWNRLRDD AANLKSNGIT AVWIPPAWKG	
3	3VNGTLM QYFEWYTPND GQHWKRLQND AEHLSDIGIT AVWIPPAYKG	
4	4	..ANLNGTLM QYFEWYMPND GQHWRRRLQND SAYLAEHGIT AVWIPPAYKG	
5	5	.AAPFNGTMM QYFEWYLPDD GTLWTKVANE ANNLSLGIT ALWLPPAYKG	
			100
	1	TSQNDVGYGA YDLYDLGEFN QKGTVRTKYG TRSQLESaih ALKNNGVQVY	51
	2	TSQNDVGYGA YDLYDLGEFN QKGTVRTKYG TRNQLQAAVT SLKNNGIQVY	
	3	LSQSDNGYGP YDLYDLGEFQ QKGTVRTKYG TKSELQDAIG SLHSRNVQVY	
	4	TSQADVGYGA YDLYDLGEFH QKGTVRTKYG TKGELQSAIK SLHSRDINVY	
	5	TSRSDVGYGV YDLYDLGEFN QKGTVRTKYG TKAQYLQAIQ AAHAAGMQVY	
			150
	1	GDVVMNHKGG ADATENVLAV EVNPNNRNQE ISGDYTIEAW TKFDFFPGRGN	101
	2	GDVVMNHKGG ADGTEIVNAV EVNRSNRNQE TSGEYAIEAW TKFDFFPGRGN	
	3	GDVVLNHKAG ADATEDVTAV EVNPANRNQE TSEYQIKAW TDFRFPGRGN	
	4	GDVVINHKGG ADATEDVTAV EVDPADNRV ISGEHLIKAW THFHFPGRGS	
	5	ADVVFHDHKG ADGTEWVDAV EVNPSDRNQE ISGTYQIQAW TKFDFFPGRGN	
			200
	1	TYSDFKWRWY HFDGVDWDQS RQFQNRiYKF RGDGKAWDWE VDSENGNYDY	151
	2	NHSSFkWRWY HFDGTDWDQS RQLQNKiYKF RGTGKAWDWE VDTENGNYDY	
	3	TYSDFKWHWY HFDGADWDES RKI.SRiYKF RGEgKAWDWE VSSENGNYDY	
	4	TYSDFKWHWY HFDGTDWDES RKL.NRIYKF ..QGKAWDWE VSNENGNYDY	
	5	TYSSFKWRWY HFDGVDWDES RKL.SRIYKF RGIGKAWDWE VDTENGNYDY	

Fig. 1

1 LMYADVDMDH PEVVNELRRW GEWYTNLTNL DGFRIDAVKH IKYSFTRDWL
2 LMYADVDMDH PEVIHELNRW GWWYTNLTNL DGFRIDAVKH IKYSFTRDWL
3 LMYADVDDYDH PDVVAETKKW GIWYANELSL DGFRIDAAKH IKFSFLRDWV
4 LMYADIDYDH PDVAAEIKRW GTWYANELQL DGFRLDVAVKH IKFSFLRDWV
5 LMYADLDMDH PEVVTELKNW GKWYVNTTNI DGFRLDVAVKH IKFSFFPDWL

251

300

1 THVRNATGKE MFAVAEFWKN DLGALENYLN KTNWNHHSVFD VPLHYNLYNA
2 THVRNTTGKP MFAVAEFWKN DLGAIEYLN KTSWNHSAFD VPLHYNLYNA
3 QAVRQATGKE MFTVAEYWQN NAGKLENYLN KTSFNQSVFD VPLHFNLQAA
4 NHVREKTGKE MFTVAEYWQN DLGALENYLN KTNFNHHSVFD VPLHYQFHAA
5 SYVRSQTGKP LFTVGEYWSY DINKLHNYIT KTDGTMSLFD APLHNKFYTA

301

350

1 SNSGGNYDMA KLLNGTVVQK HPMHAVTFVD NHDSQPGESL ESFVQEWFKP
2 SNSGGYDMR NILNGSVVQK HPTHAVTFVD NHDSQPGEAL ESFVQQWFKP
3 SSQGGGYDMR RLLDGTVSR HPEKAVTFVE NHDTPQGQSL ESTVQTTWFKP
4 STQGGGYDMR KLLNGTVVSK HPLKSVTFVD NHDTPQGQSL ESTVQTTWFKP
5 SKSGGAFDMR TLMTNTLMKD QPTLAVTFVD NHDTEPGQAL QSWVDPWFVKP

351

400

1 **LAYALILTRE QGYPSVFYGD YYGIPTHS.. VPAMKAKID PILEARQNFA**

2 LAYALVLTRE QGYPSVFYGD YYGIPTHG.. VPAMKSKID PLLQARQTFA
3 LAYAFILTRE SGYPQVFYGD MYGKTGTSKP EIPSLKDNIE PILKARKEYA
4 LAYAFILTRE SGYPQVFYGD MYGKTGDSQR EIPALKHKIE PILKARKQYA
5 LAYAFILTRQ EGYPCVFYGD YYGIPQYN.. IPSLKSKID PLLIARRDYA

401

450

1 YGTQHDYFDH HNIIGWTREG NTTHPNSGLA TIMSDGPGGE KWMYVGQNKA
2 YGTQHDYFDH HDIIGWTREG NSSHPNSGLA TIMSDGPGGN KWMYVGKNKA
3 YGPQHDYIDH PDVIGWTREG DSSAAKSGLA ALITDGP GGS KRM YAGL KNA
4 YGAQHDYFDH HDIVGTREG DSSVANSGLA ALITDGP GGA KRM YVGRQNA
5 YGTQHDYLDH SDIIGWTREG GTEKPGSGLA ALITDGP GGS KWMYVGKQHA

		451		500	
1			GQVWHDITGN	KPGTVTINAD	GWANFSVNGG SVSIWVKR..
2			GQVWRDITGN	RTGTVTINAD	GWGNFSVNGG SVSVWVKQ..
3			GETWYDITGN	RSDTVKIGSD	GWGEFHVNDG SVSIYVQ...
4			GETWHDITGN	RSEPVINSE	GWGEFHVNGG SVSIYVQR..
5			GKVFYDLTGN	RSDTV TINSD	GWGEFKVNGG SVSVWVPRKT TVSTIARPI
		501		519	
1				
2				
3				
4				
5			TRPWTGEFVR	WTEPRLVAW	

Fig. 1 (continued)